

APPENDIX A
“CLEAN” VERSION OF EACH PARAGRAPH/SECTION/CLAIM
37 C.F.R. § 1.121(b)(ii) AND (c)(i)

CLAIMS (with indication of amended or new):

1. (AMENDED) A method for fabricating a high density ceramic thick film comprising the steps of:

preparing a paste by mixing ceramic powders with a vehicle comprising an organic binder and solvent;

forming a film on a substrate using the paste by screen printing;

removing the organic binder from the film;

applying sol to the surface of the film so that the sol can infiltrate into the film;

drying and preheating the film; and

sintering the film at the range from 750 to 900°C.

3. (AMENDED) The method of claim 1, wherein the sol has components identical with the ceramic powder.

4. (AMENDED) The method of claim 1, wherein the sol has components not identical with the ceramic powder.

5. (AMENDED) The method of claim 1, wherein the sol is applied repeatedly more than twice.

8. (AMENDED) A method for fabricating a high density ceramic thick film comprising the steps of:

preparing a paste by mixing ceramic powders with a vehicle comprising an organic binder and solvent;

forming a film on a substrate using the paste by screen printing;

removing the organic binder from the film;

sintering the film at temperatures within the range of 750 to 900°C;
applying sol to the surface of the film so that the sol can infiltrate into the film; and
sintering the film at a temperature within the range from 600 to 700°C.